



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  Davis Land Surveying & Engineering, PC 415 West Nepessing Street Lapeer, MI 48446  Report Number(s) 2022-001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
<b>3. Docket Number(s)</b> 030-37060	<b>4. License Number(s)</b> 21-32603-01	<b>5. Date(s) of Inspection</b> August 3, 2022

**LICENSEE:**  
 The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
  - A. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.  
 (Non-cited violation(s) was/were discussed involving the following requirement(s))
  - B. The following violation(s) is/are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.  
 (Violations and Corrective Actions)

### Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2022.08.12 14:32:40 -0400</small>
BRANCH CHIEF	Michael Kunowski	Geoffrey M. Warren <small>Digitally signed by Geoffrey M. Warren Date: 2022.08.16 15:06:04 -0500</small>



### Materials Inspection Record

1. Licensee Name: Davis Land Surveying & Engineering, PC		2. Docket Number(s): 030-37060		3. License Number(s) 21-32603-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: August 3, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: IP 87124	
10. Licensee Contact Name(s): Russell Davis - VP, RSO		11. Licensee E-mail Address: info@davislandsurv.com		12. Licensee Telephone Number(s): 810-667-6789	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		08/03/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Davis Land Surveying & Engineering is a surveying company authorized to store portable moisture density gauges at its main office in Lapeer, Michigan, and to use them at temporary job sites in NRC jurisdiction for measuring the physical properties of construction materials. At the time of the inspection, the licensee had two Troxler 3411 gauges and two individuals authorized to use them. The licensee last used a gauge in June 2022. No projects involving gauges were ongoing at the time of the inspection.

The inspector toured the facility in Lapeer. All areas were adequately posted, and all licensed material was adequately secured behind at least two independent physical controls that formed tangible barriers against unauthorized removal. The inspector performed independent surveys of the facility; radiation levels were consistent with radiation profiles in the applicable SDR safety evaluation and were well below regulatory limits to members of the public in unrestricted areas. The gauges and their cases were in good condition and properly labeled. The inspector interviewed the RSO, who demonstrated available measures for safe transport of gauges and discussed the use and maintenance of gauges as well as response to emergencies. The licensee had access to a survey meter from the Michigan DOT via the Davison TSC.

The inspector reviewed a selection of records, including utilization logs, shipping papers, operating and emergency procedures, leak test results, dosimetry reports, and gauge user training records.

No violations of NRC requirements were identified as a result of this inspection.